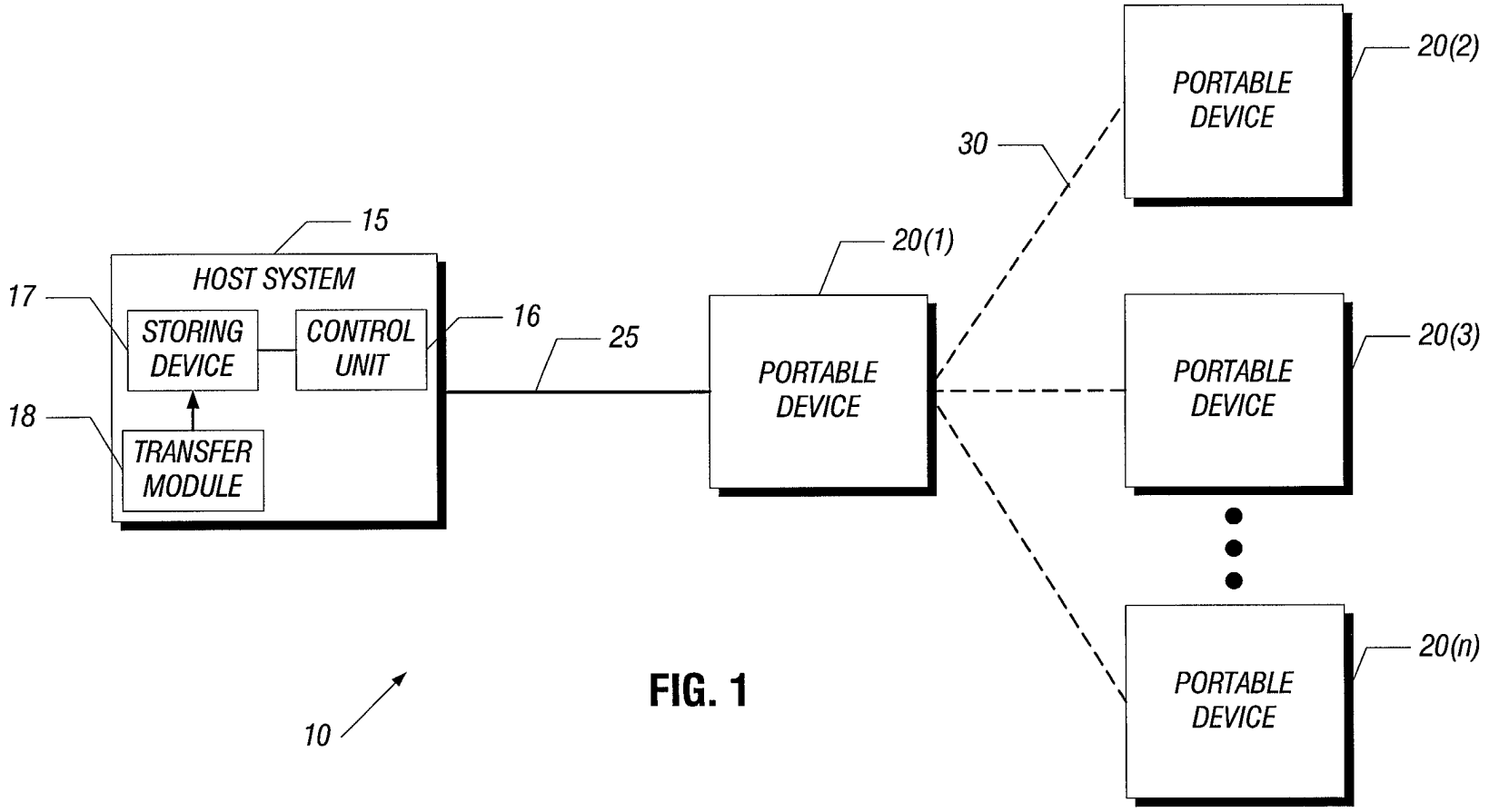
15
HOST SYSTEM
17
STORING DEVICE
CONTROL UNIT
16
18
TRANSFER MODULE
25
20(1)
PORTABLE DEVICE
30
PORTABLE DEVICE
20(2)
PORTABLE DEVICE
20(3)
PORTABLE DEVICE
20(n)
10

FIG. 1

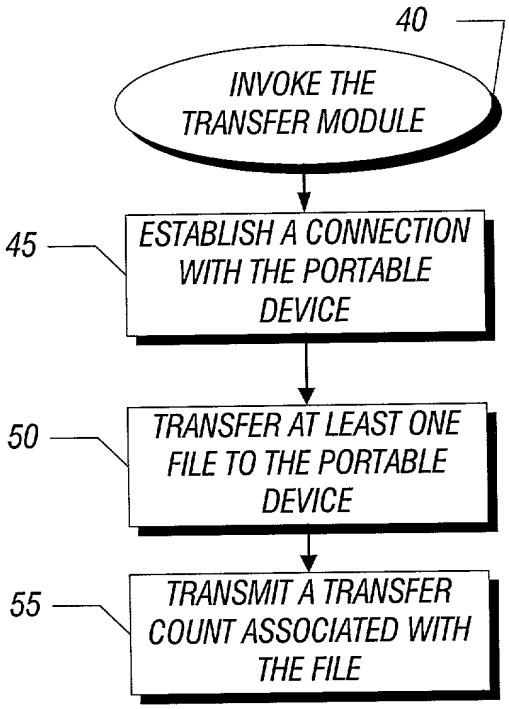
40
INVOKE THE TRANSFER MODULE
45
ESTABLISH A CONNECTION WITH THE PORTABLE DEVICE
50
TRANSFER AT LEAST ONE FILE TO THE PORTABLE DEVICE
55
TRANSMIT A TRANSFER COUNT ASSOCIATED WITH THE FILE

FIG. 2

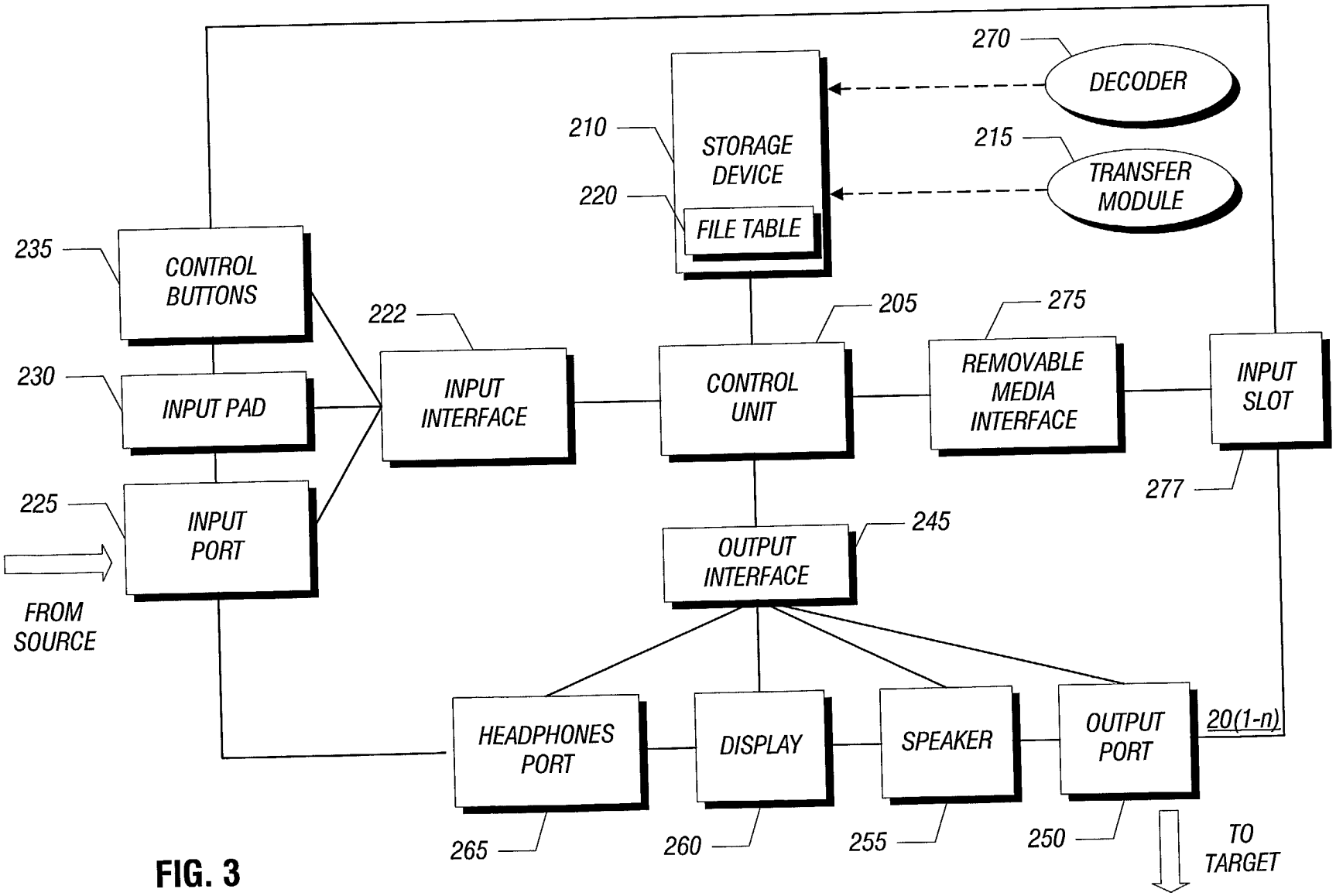
270
DECODER
210
STORAGE DEVICE
215
TRANSFER MODULE
220
FILE TABLE
235
CONTROL BUTTONS
222
205
275
230
INPUT PAD
INPUT INTERFACE
CONTROL UNIT
REMOVABLE MEDIA INTERFACE
INPUT SLOT
277
225
INPUT PORT
245
OUTPUT INTERFACE
FROM SOURCE
HEADPHONES PORT
DISPLAY
SPEAKER
OUTPUT PORT
20(1-n)
265
260
255
250
TO TARGET

FIG. 3

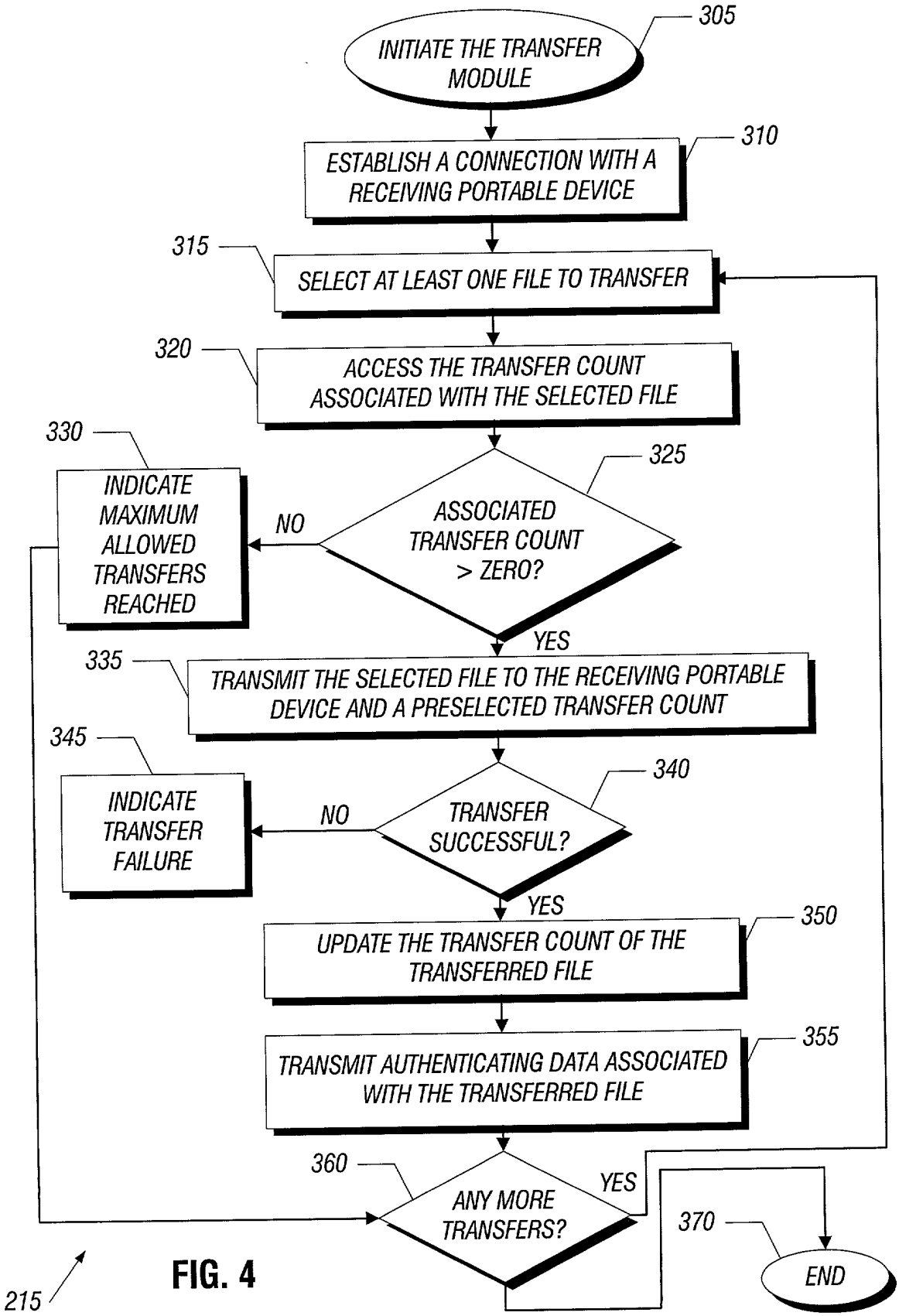
305
INITIATE THE TRANSFER MODULE
310
ESTABLISH A CONNECTION WITH A RECEIVING PORTABLE DEVICE
315
SELECT AT LEAST ONE FILE TO TRANSFER
320
ACCESS THE TRANSFER COUNT ASSOCIATED WITH THE SELECTED FILE
325
ASSOCIATED TRANSFER COUNT > ZERO?
NO
330
INDICATE MAXIMUM ALLOWED TRANSFERS REACHED
YES
335
TRANSMIT THE SELECTED FILE TO THE RECEIVING PORTABLE DEVICE AND A PRESELECTED TRANSFER COUNT
340
TRANSFER SUCCESSFUL?
NO
345
INDICATE TRANSFER FAILURE
YES
350
UPDATE THE TRANSFER COUNT OF THE TRANSFERRED FILE
355
TRANSMIT AUTHENTICATING DATA ASSOCIATED WITH THE TRANSFERRED FILE
360
ANY MORE TRANSFERS?
YES
370
END
215

FIG. 4

	FILE #	TITLE	TRANSFER COUNT
420(1)	1	FIRST MUSIC FILE	4
420(2)	2	SECOND MUSIC FILE	2
420(3)	3	THIRD MUSIC FILE	2
	⋮		
420(m)	M	M -- MUSIC FILE	4

220

FIG. 5A

(FILE TABLE ON THE TRANSMITTING PORTABLE DEVICE BEFORE TRANSFER)

	FILE #	TITLE	TRANSFER COUNT
420(1)	1	FIRST MUSIC FILE	3
420(2)	2	SECOND MUSIC FILE	2
420(3)	3	THIRD MUSIC FILE	1
	⋮		
420(m)	M	M -- MUSIC FILE	4

220

FIG. 5B

(FILE TABLE ON THE TRANSMITTING PORTABLE DEVICE AFTER TRANSFER)

	FILE #	TITLE	TRANSFER COUNT
420(1)	1	FIRST MUSIC FILE	0
420(2)	2	SECOND MUSIC FILE	0
420(3)	3	FAV MUSIC FILE	4
	⋮		
420(g)	G	G -- MUSIC FILE	2

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FIG. 5C

(FILE TABLE ON THE RECEIVING PORTABLE DEVICE AFTER TRANSFER)

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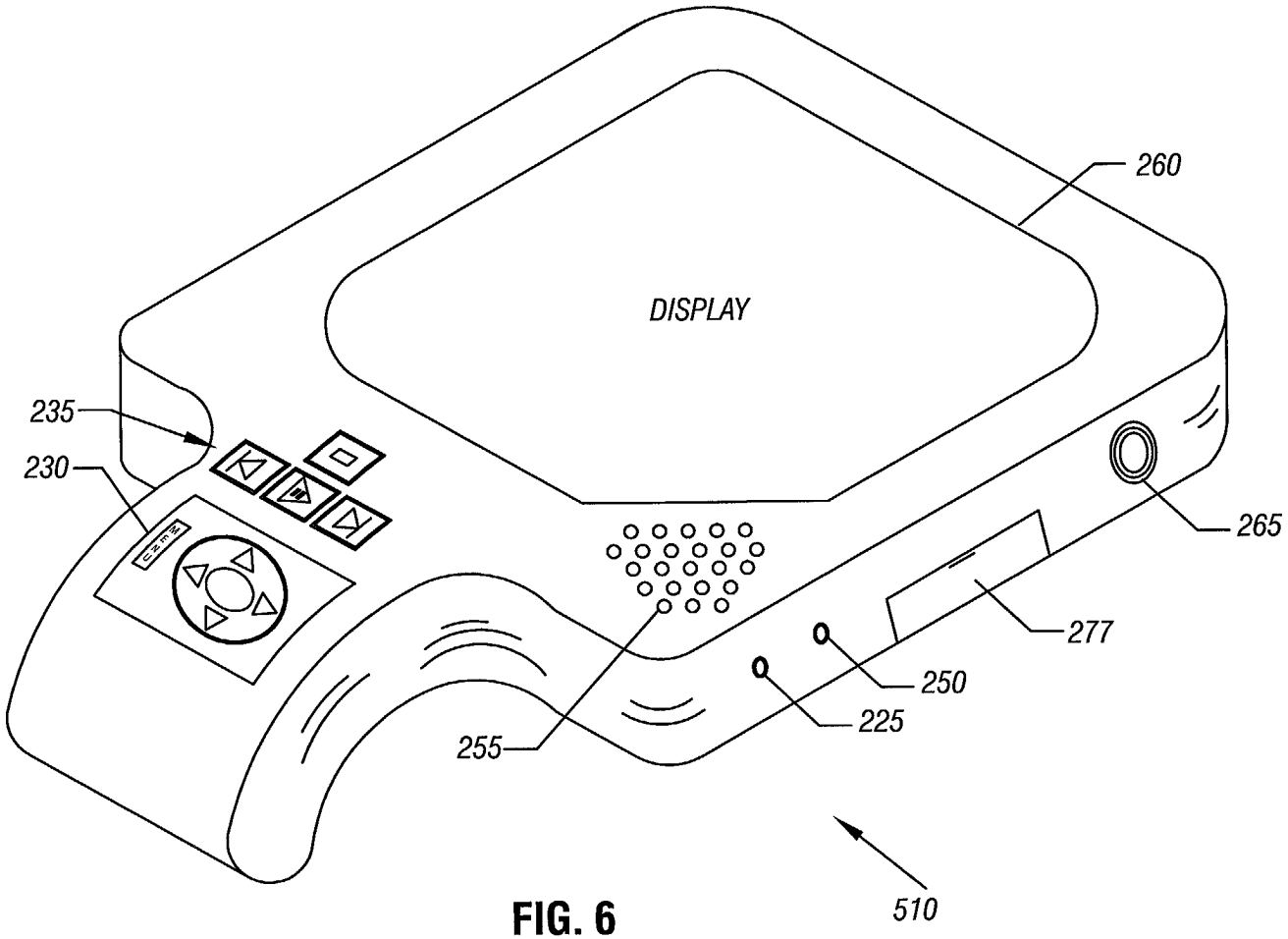

FIG. 6